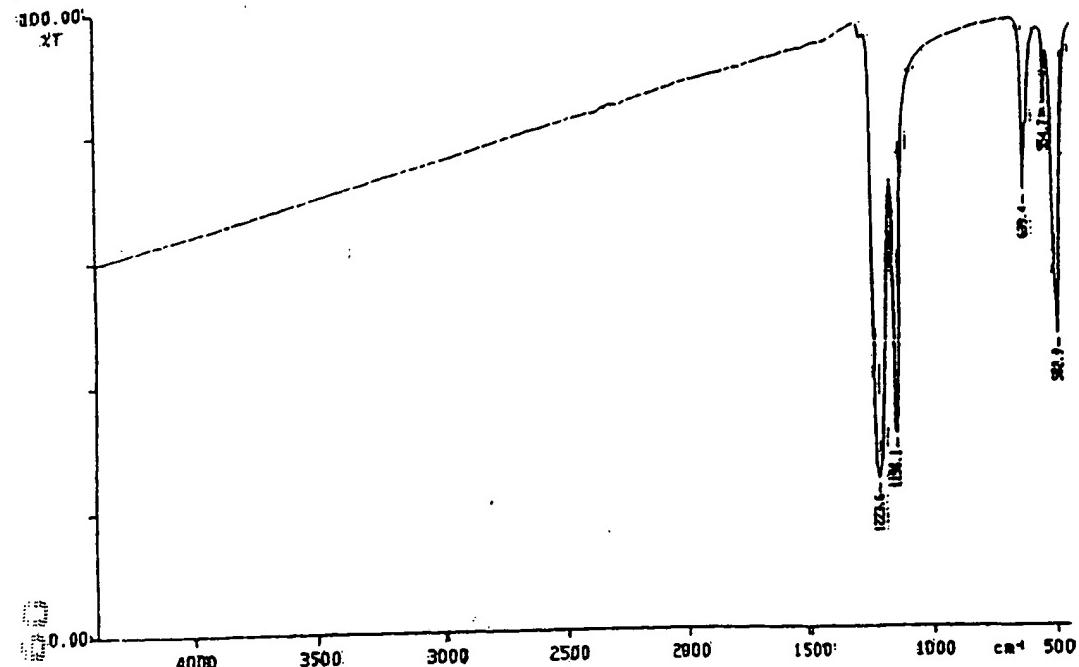


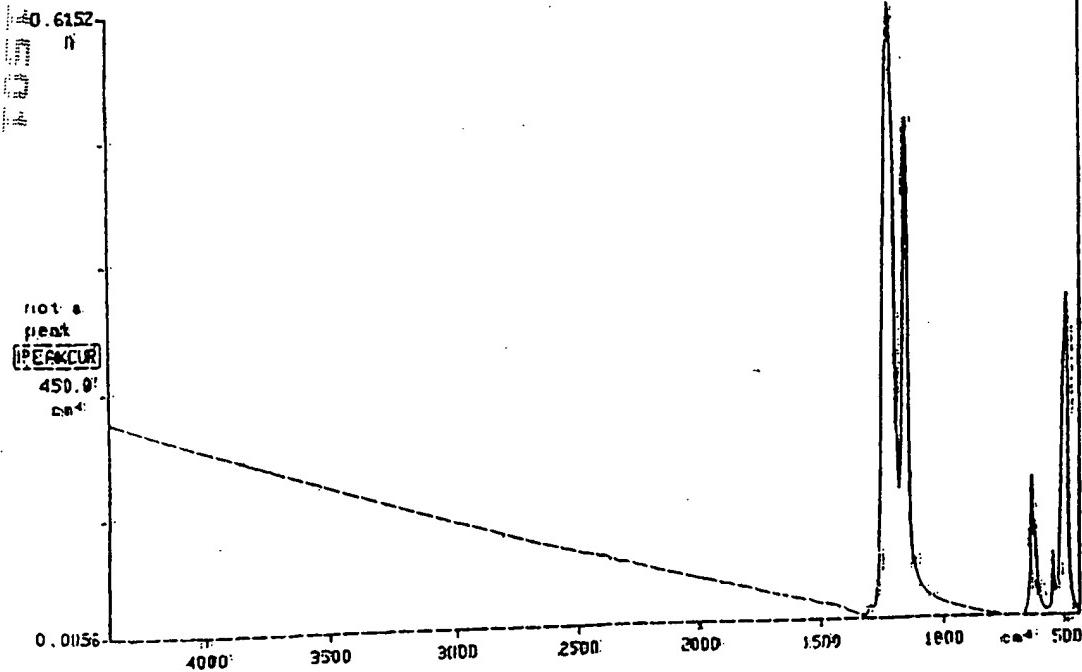
FIGURE 1A



00/10/09 15:30
3mteflon: 64 scans, 4.0cm⁻¹
Teflon-type 62

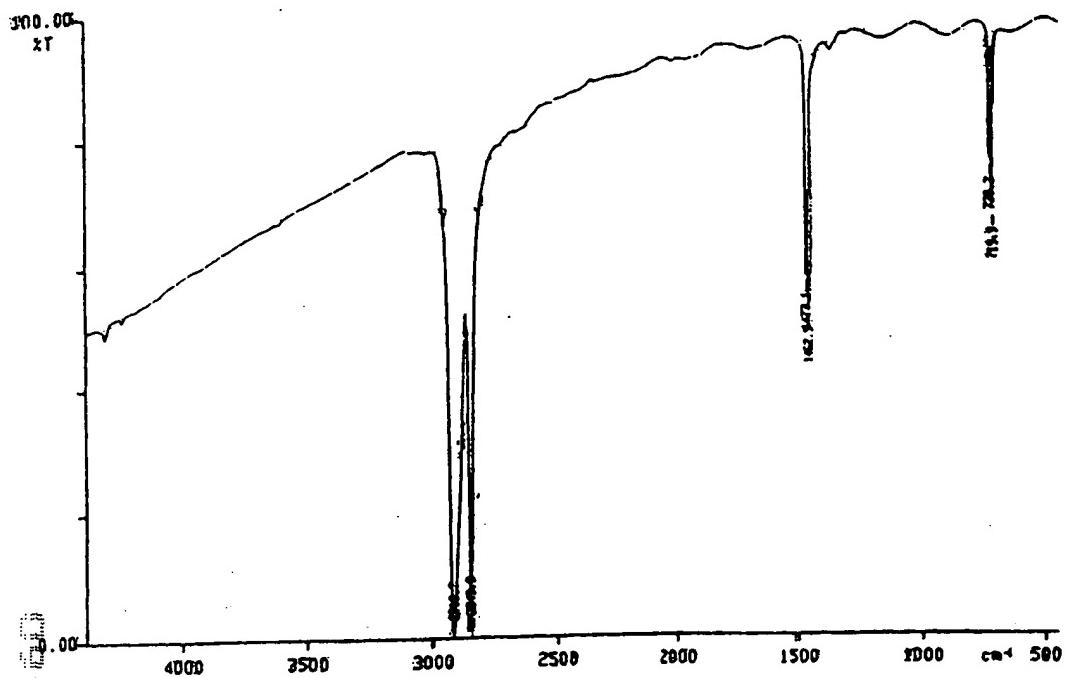
**FIGURE 1---PTFE 3M SAMPLE CARD TRANSMISSION SPECTRUM (TOP)
AND ABSORBANCE SPECTRUM (BOTTOM)**

FIGURE 1B



00/10/09 15:30
3mteflon: 64 scans, 4.0cm⁻¹
Teflon-type 62

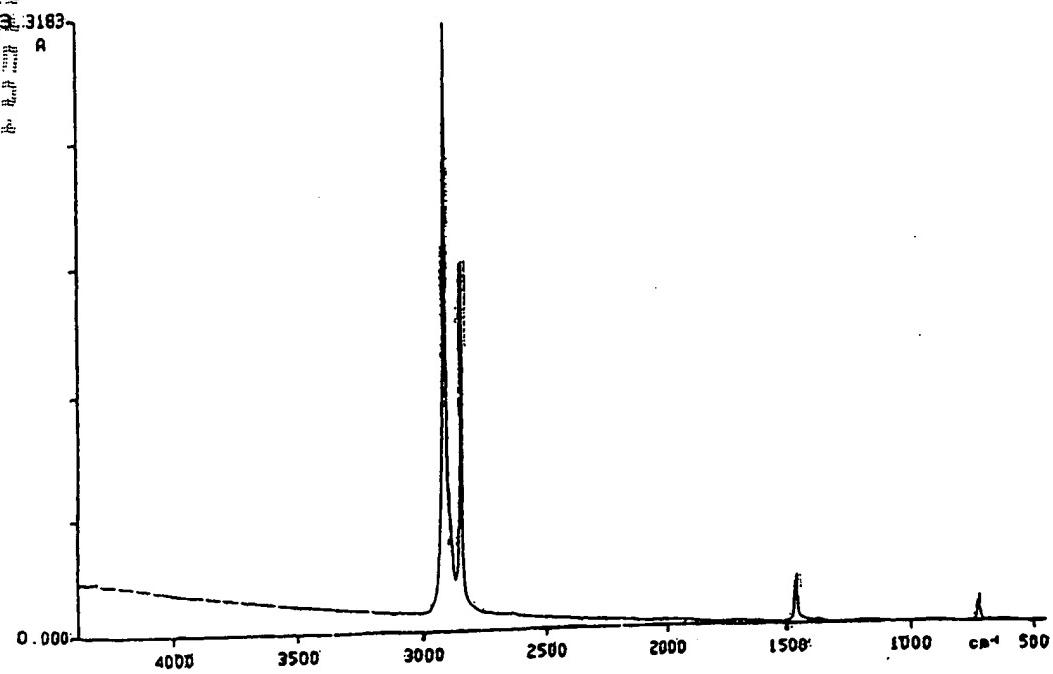
PARKIN ELMER



00/10/09 15:43
3epoly: 64 scans, 4.0cm⁻¹
Polyethylene-type61

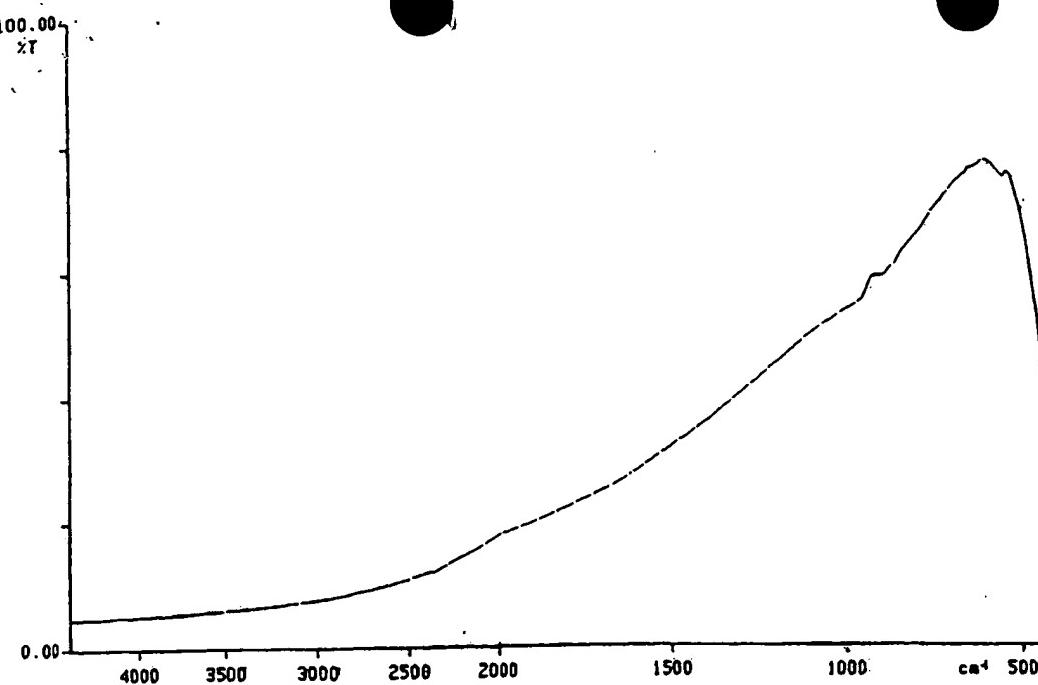
FIGURE 2--- POLYETHYLENE 3M SAMPLE CARD TRANSMISSION SPECTRUM (TOP) AND ABSORBANCE SPECTRUM (BOTTOM)

PARKIN ELMER

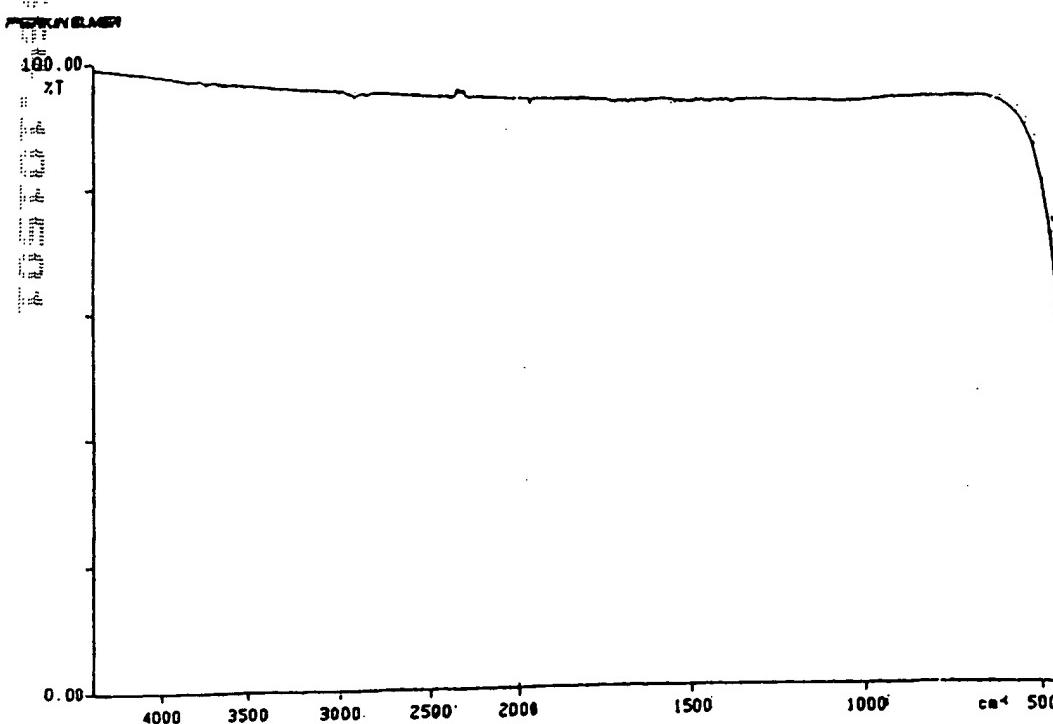


00/10/09 15:43
3epoly: 64 scans, 4.0cm⁻¹
Polyethylene-type61

FIGURE 3A---SPECTRUM KCL CRYSTAL BLANK, UNPOLISHED



00/10/10 09:36
Kclunpol: 64 scans, 4.0cm⁻¹
Kcl unpol 25x5mm



00/10/10 10:12
Kcl2: 64 scans, 4.0cm⁻¹
Kcl unpol/H2o pol

FIGURE 3B---SPECTRUM KCL CRYSTAL BLANK, WATER POLISHED

FIGURE 4A---SPECTRUM NACL CRYSTAL BLANK, UNPOLISHED

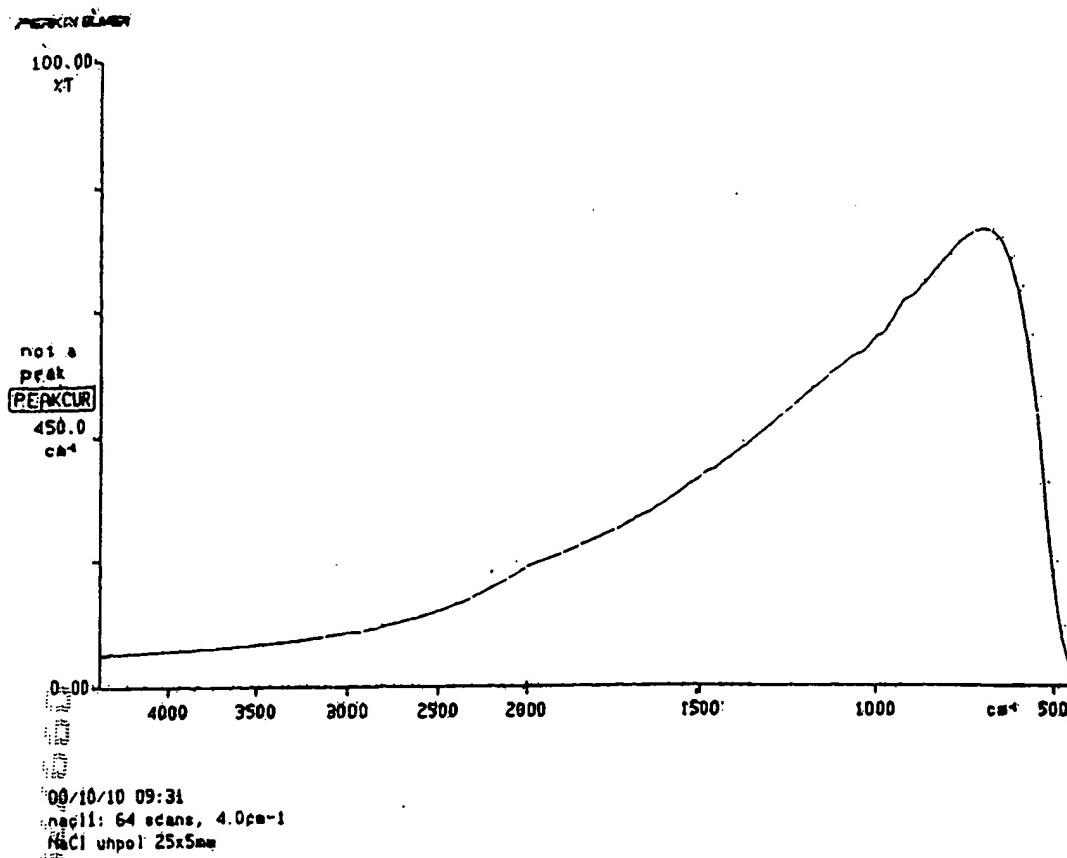
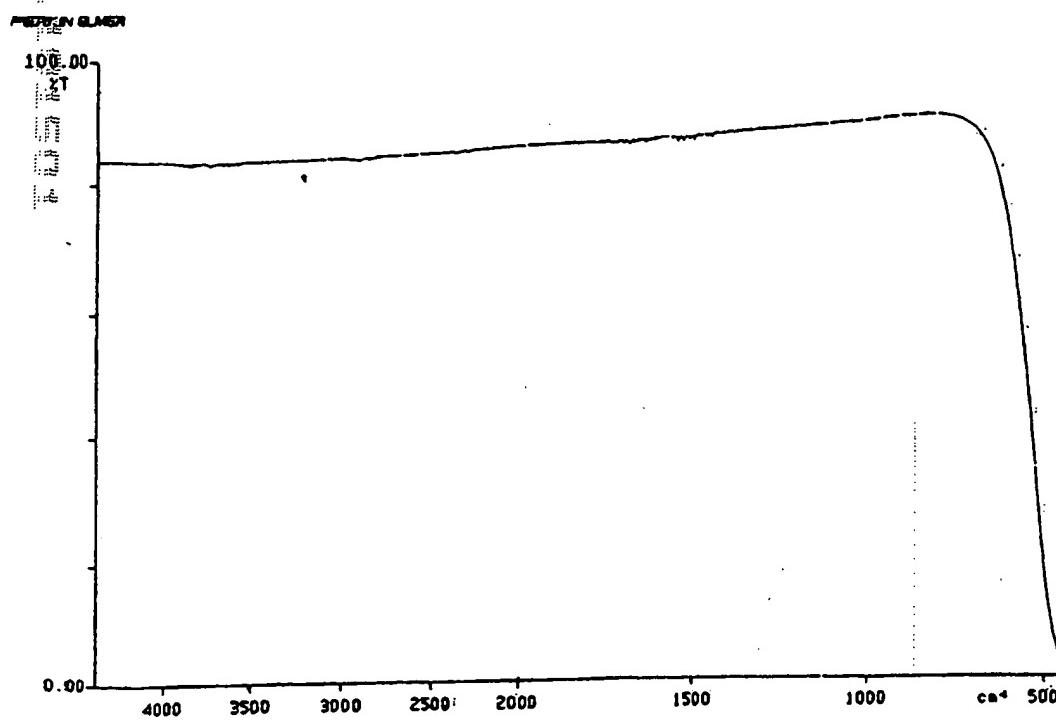
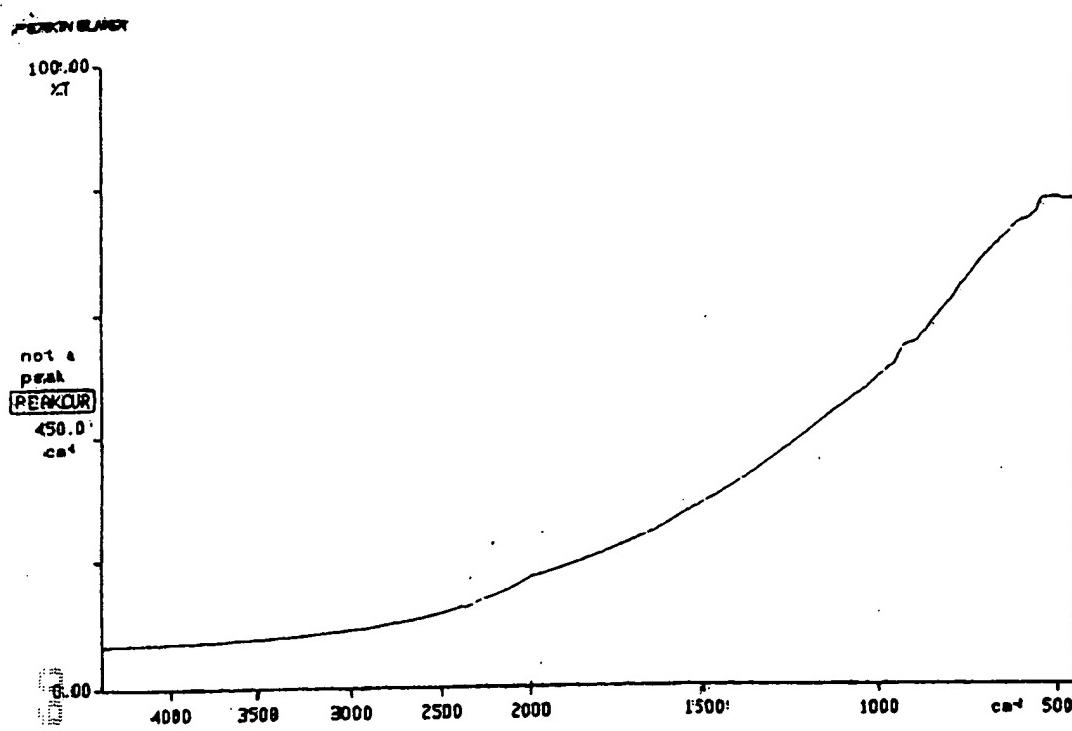


FIGURE 4B---SPECTRUM NACL CRYSTAL BLANK, WATER POLISHED

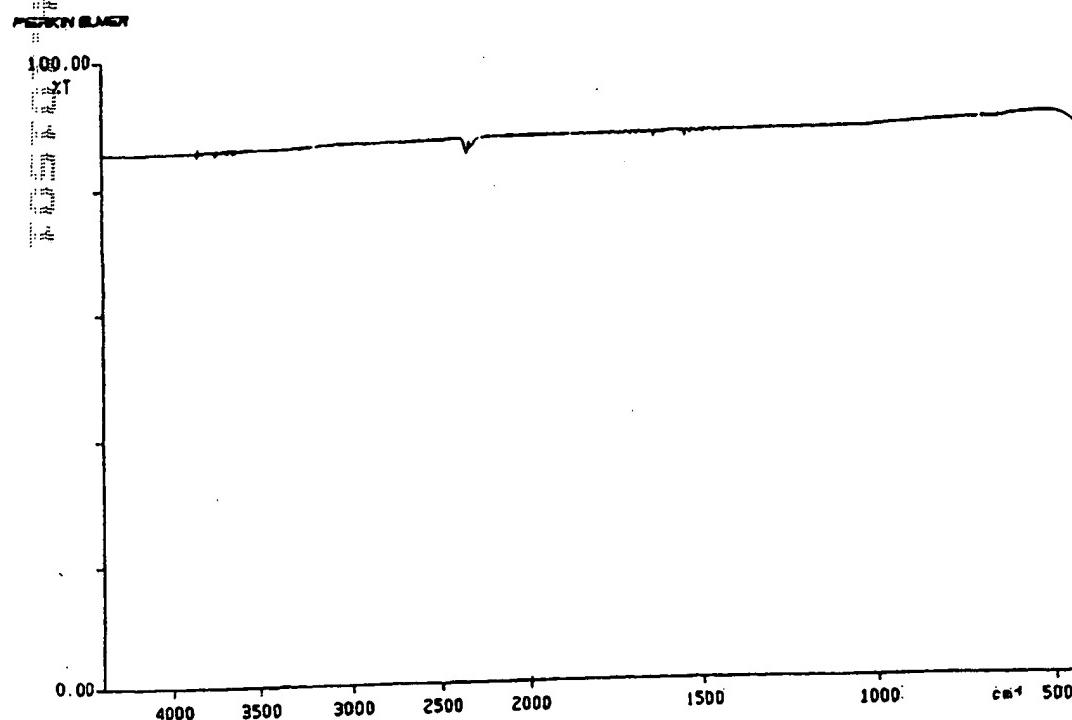


00/10/10 09:45
nac1z: 64 scans, 4.0cm⁻¹
NaCl Unpol/w20 pol

FIGURE 5A---SPECTRUM KBR CRYSTAL BLANK, UNPOLISHED



00/10/10 09:24
Kbr9: 4 scans, 4.0cm⁻¹
Kbr unpol 25x5mm



00/10/10 14:35
Kbr(H2Opol): 4 scans, 4.0cm⁻¹
Kbr unpol/H2O com. pol.

FIGURE 5B---SPECTRUM KBR CRYSTAL BLANK, WATER POLISHED

00000000000000000000000000000000

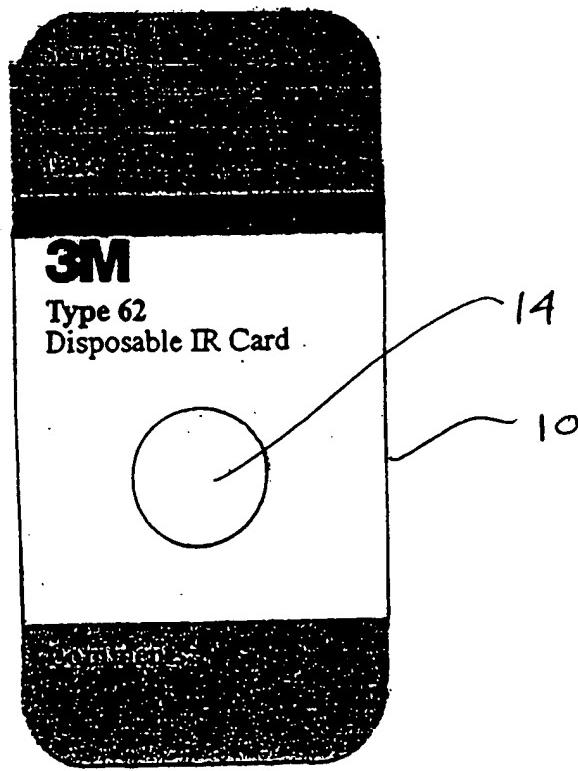


FIGURE 6---3M SAMPLE CARD---PTFE

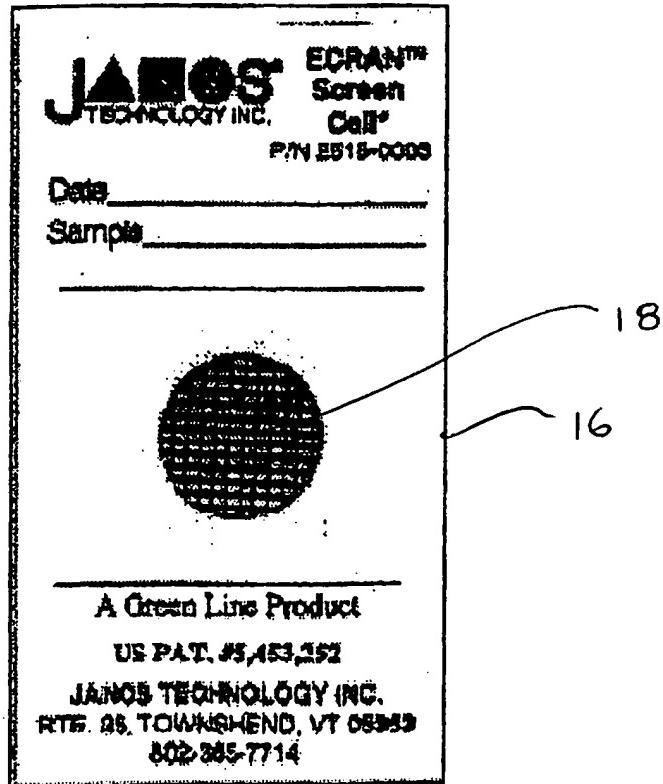
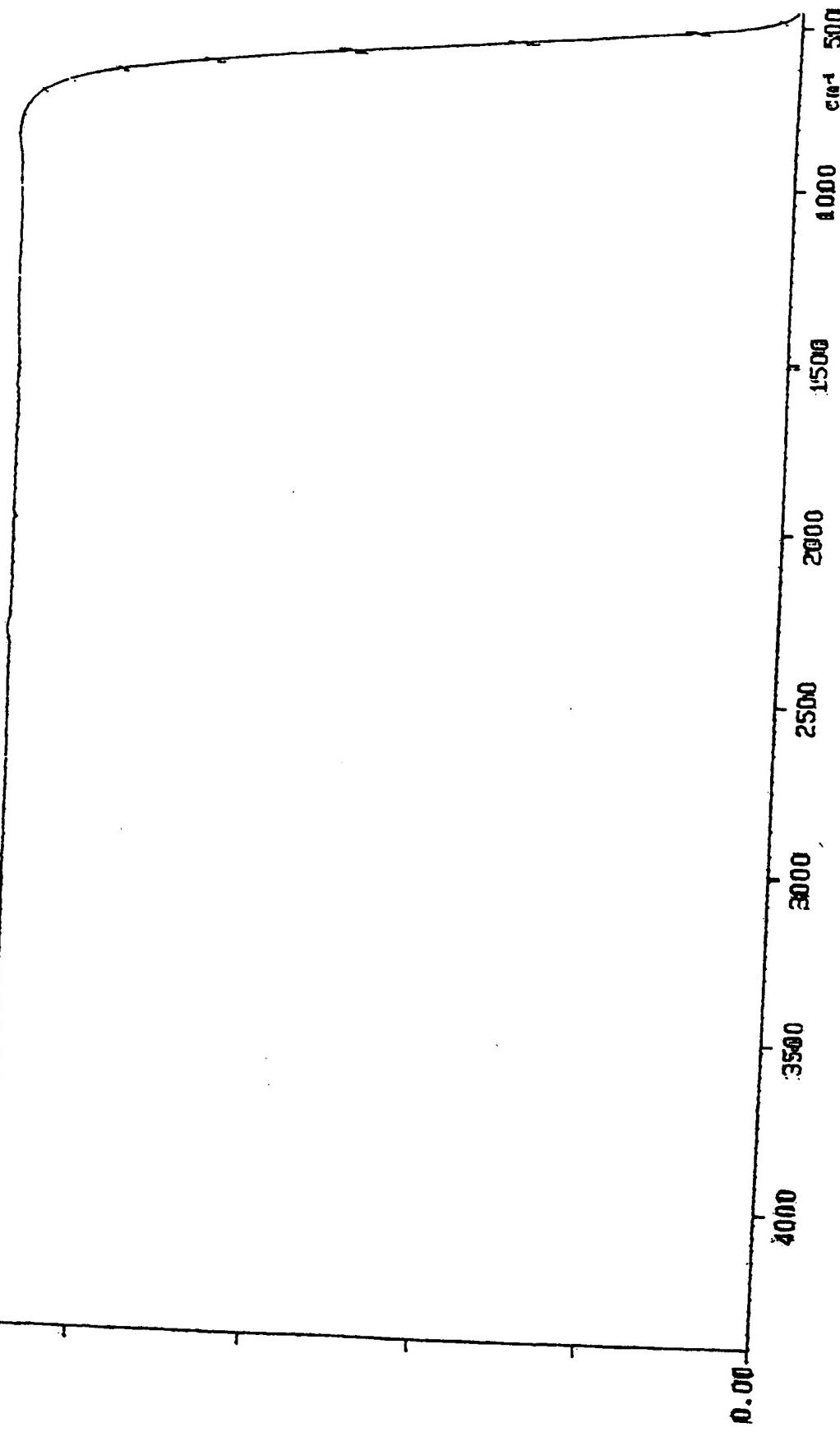


FIGURE 7---JANOS SCREEN CARD

PERCHIN CLIMER

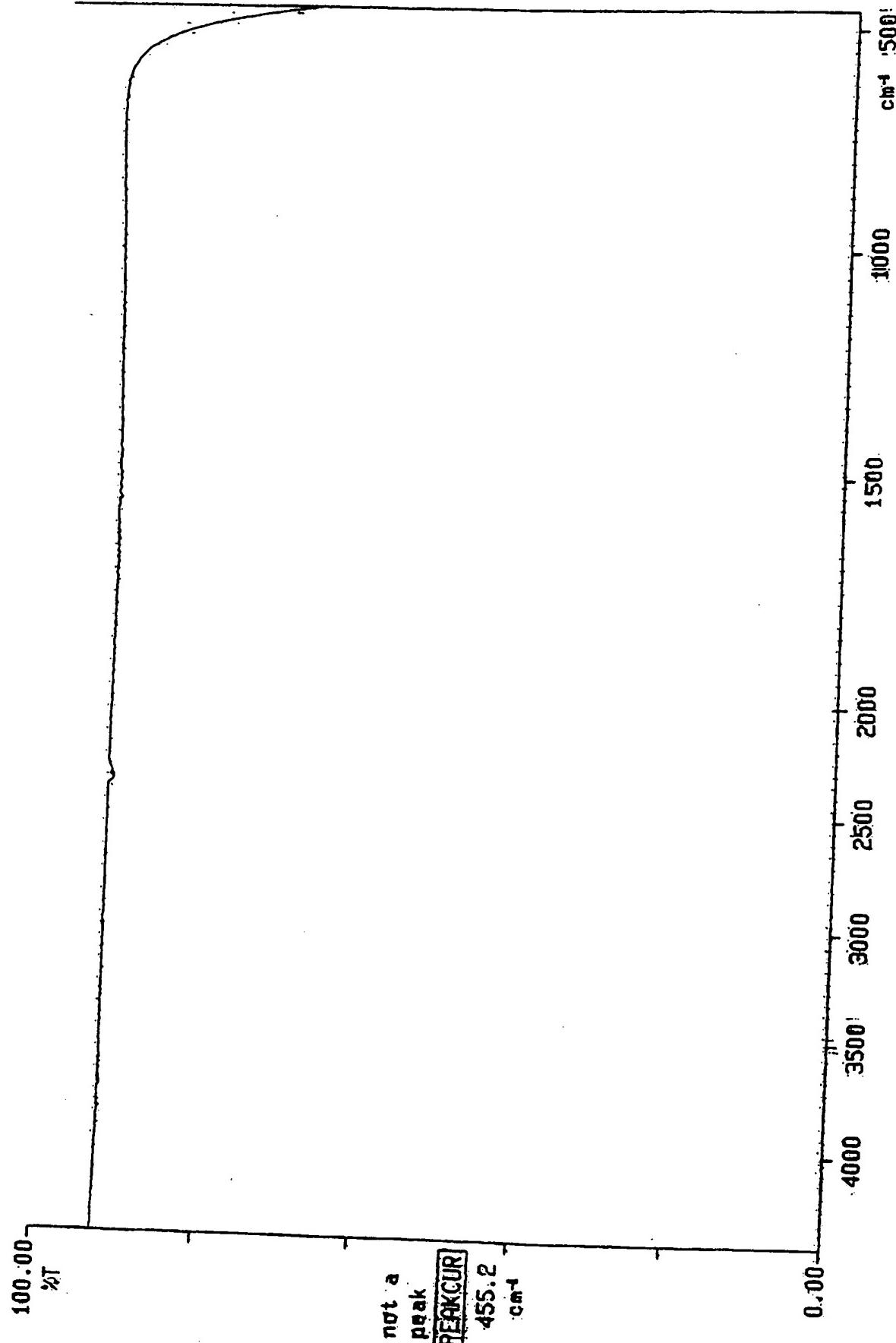
100.00
%



DD/10/16 14:24
X: 1 scan, 4.0cm⁻¹

FIGURE 8---SPECTRUM OF CLEAVED NaCl CRYSTAL SAMPLE
SUPPORT MOUNTED IN 19MM APERTURE
SAMPLE CARD

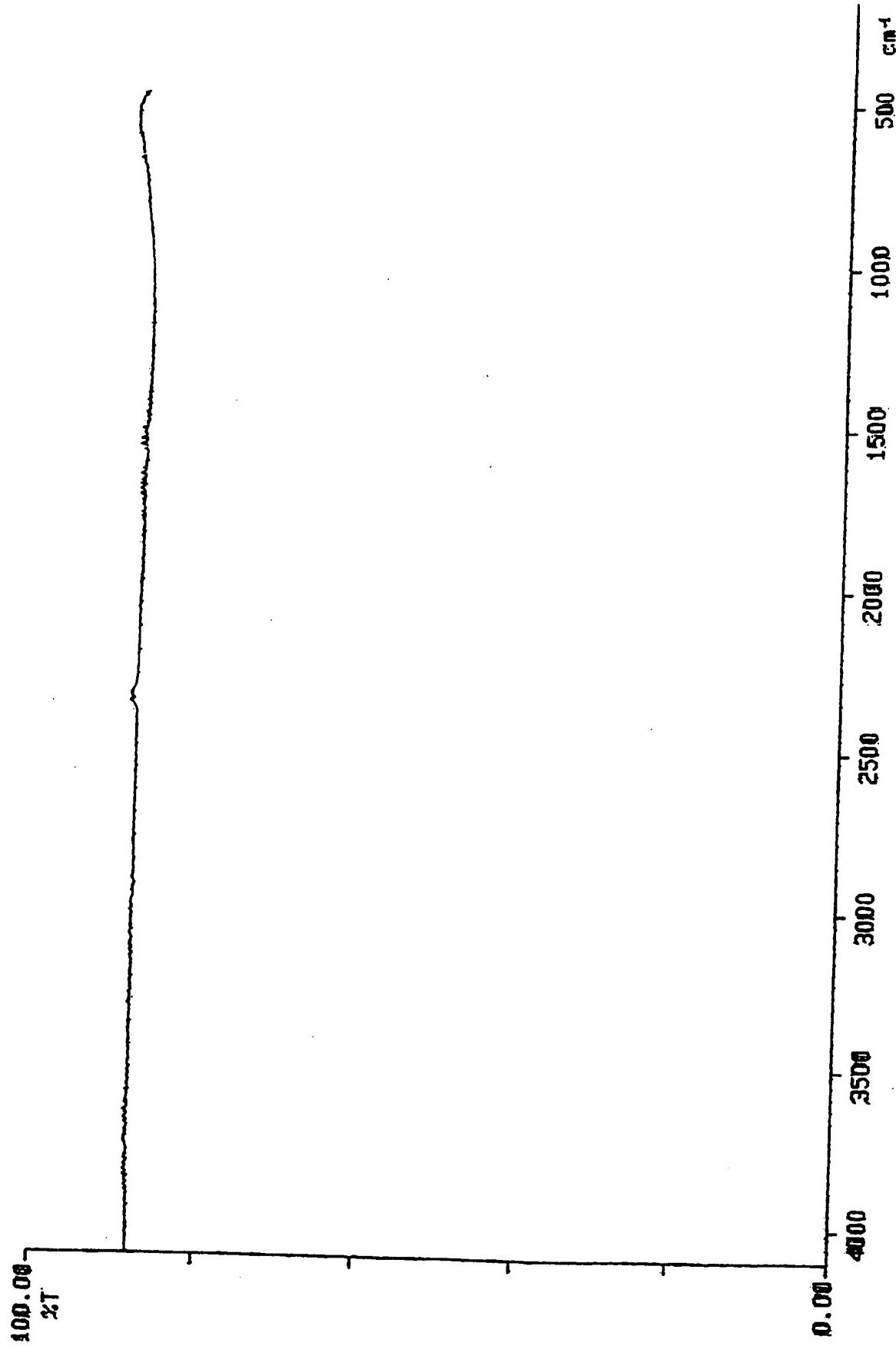
PETERSON ELMER



00/10/10 11:37
KCl19-03: 64 scans, 4.0cm⁻¹
KCl-101000-003

FIGURE 9—SPECTRUM OF CLEAVED KCl CRYSTAL SAMPLE
SUPPORT MOUNTED IN 19MM APERTURE
SAMPLE CARD

PETERSON ELMER



00/10/16 14:09
Z: 1 scan, 4.0cm⁻¹

FIGURE 10--SPECTRUM OF CLEAVED KBR CRYSTAL SAMPLE
SUPPORT MOUNTED IN 19MM APERTURE
SAMPLE CARD

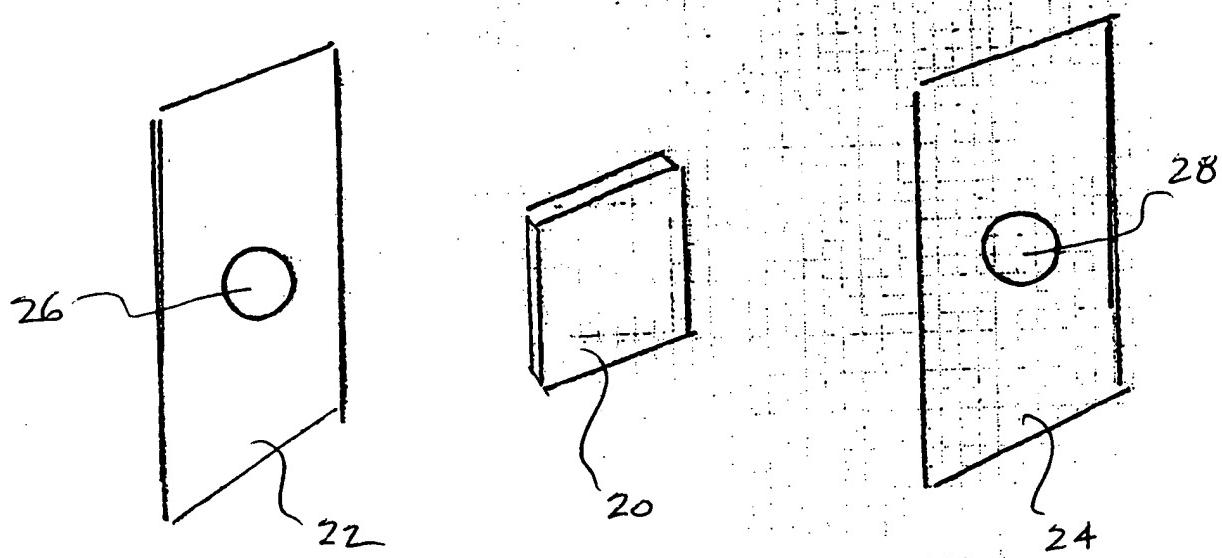


FIGURE 11--EXPLODED VIEW OF SAMPLE CARD WITH CLEAVED CRYSTAL WINDOW AS SAMPLE SUPPORT

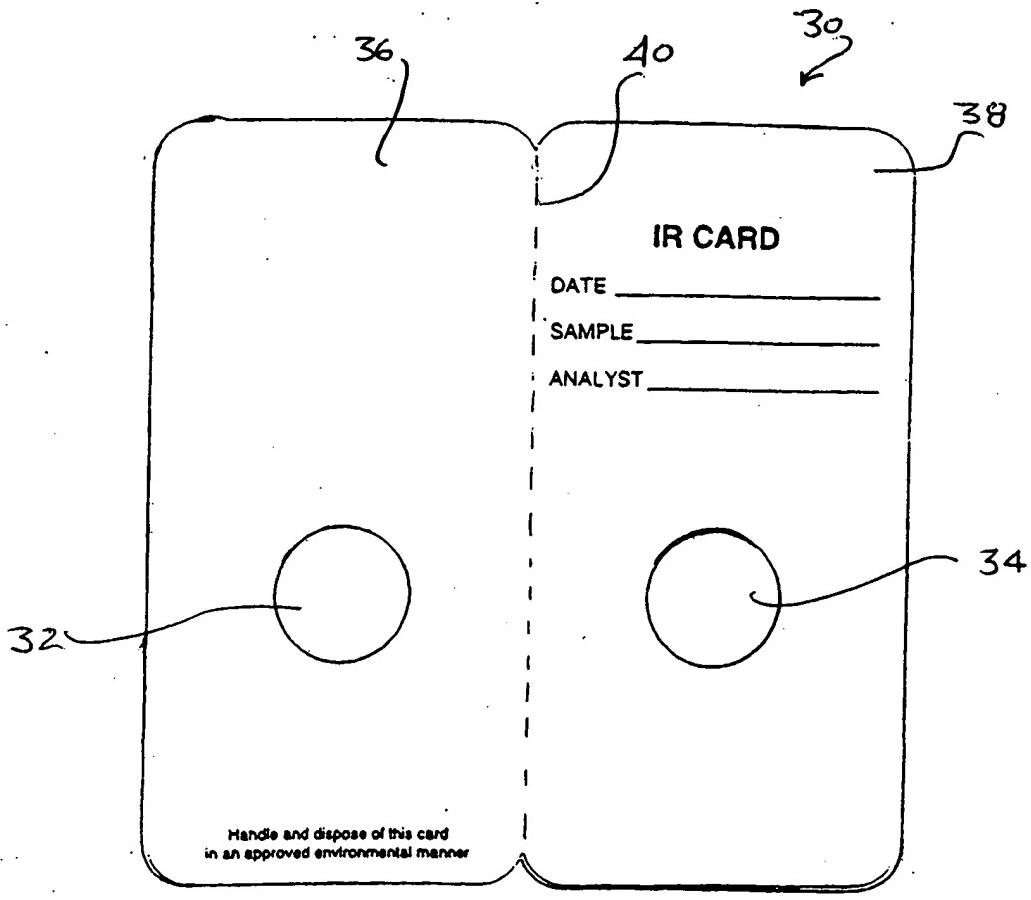


FIGURE 12---SAMPLE CARD FRAME WITH 2 APERTURES FOR FOLD OVER
SANDWICHING OF SAMPLE SUPPORT WINDOW

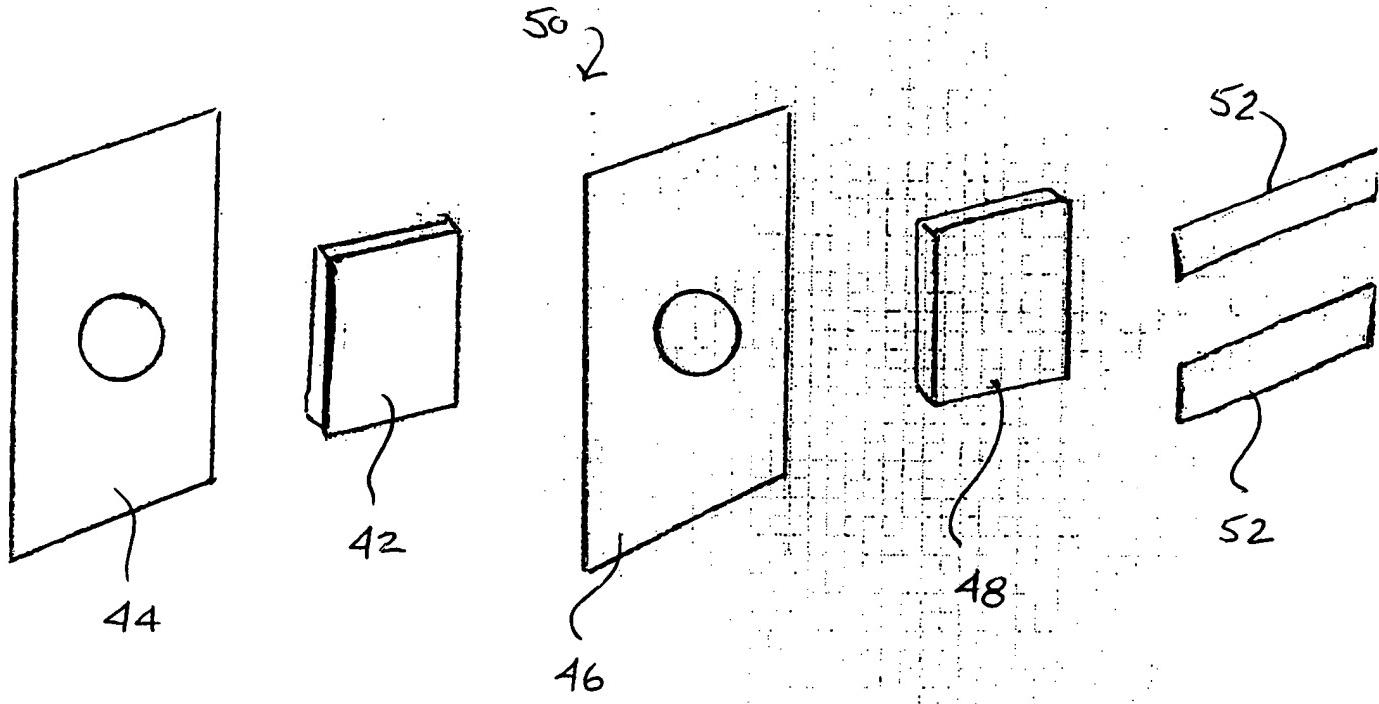


FIGURE 13---EXPLODED VIEW OF SAMPLE CARD WITH CLEAVED
CRYSTAL AS SAMPLE SUPPORT AND WITH SECOND
COVER WINDOW

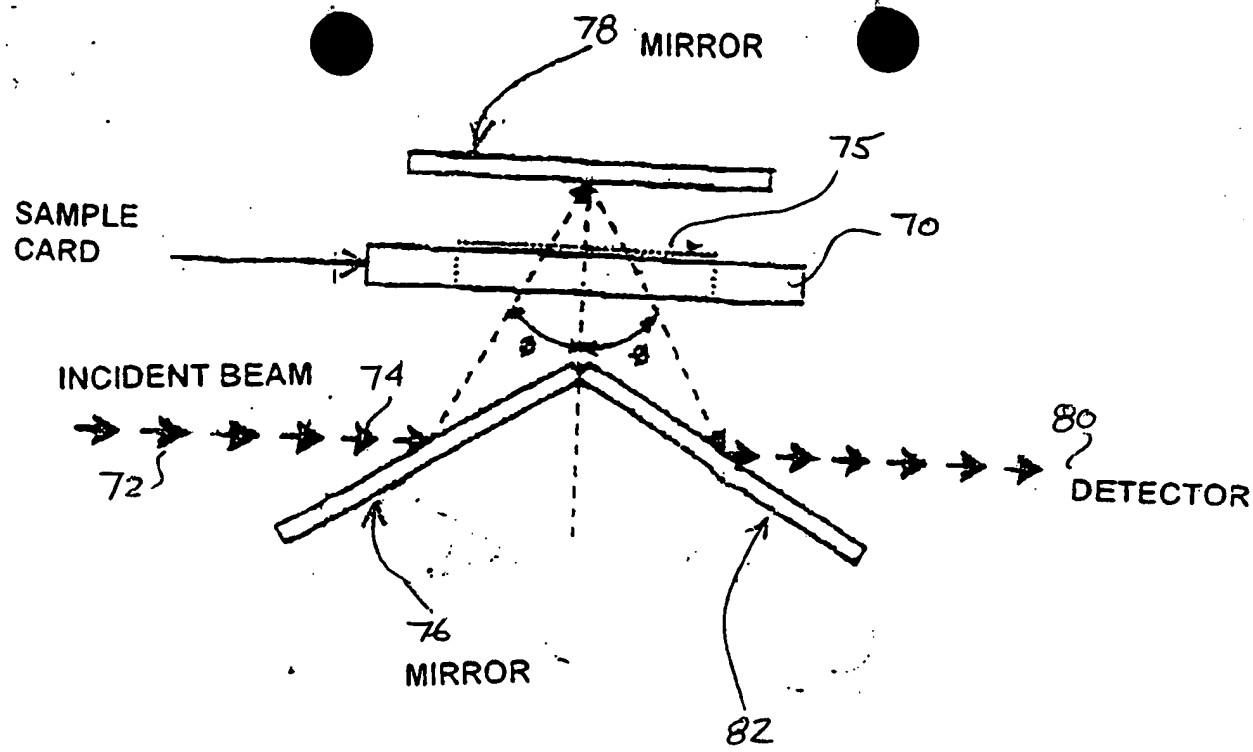


FIG. 14

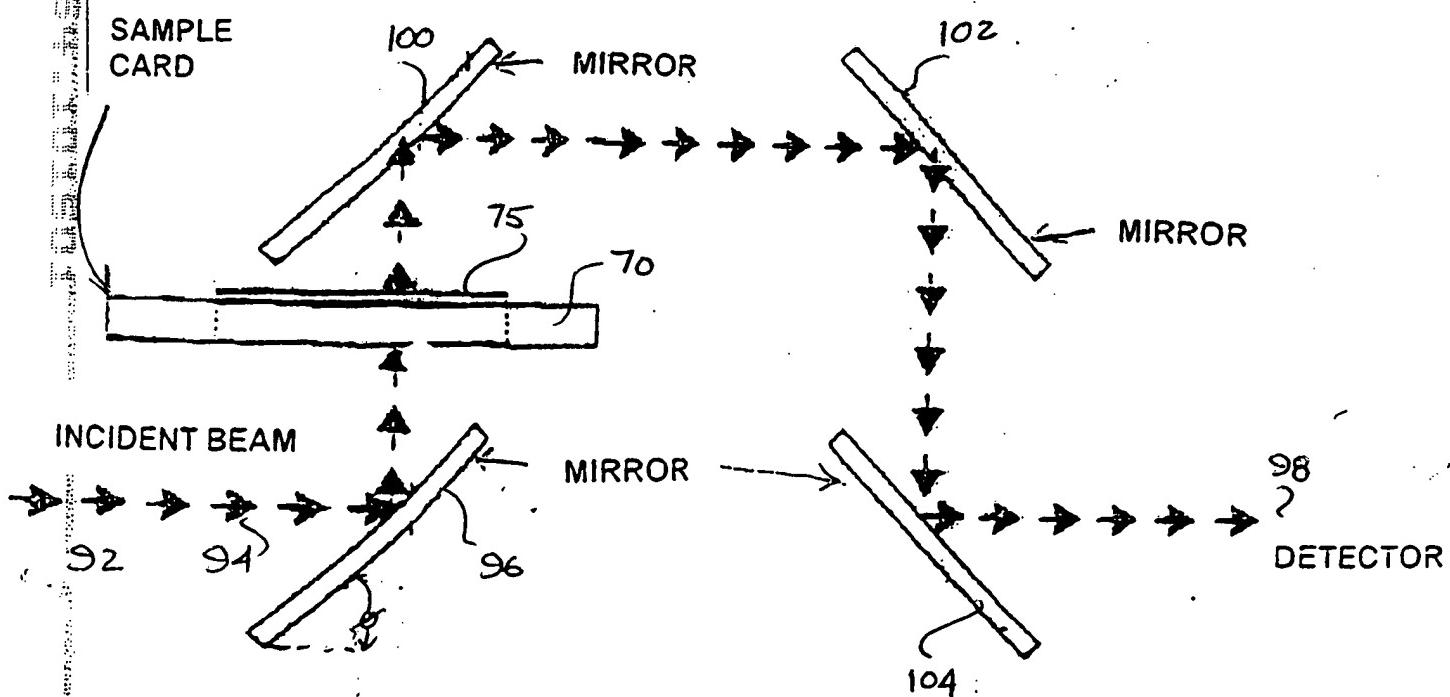


FIGURE 15--USE OF SAMPLE CARD IN HORIZONTAL POSITION

FIG. 16

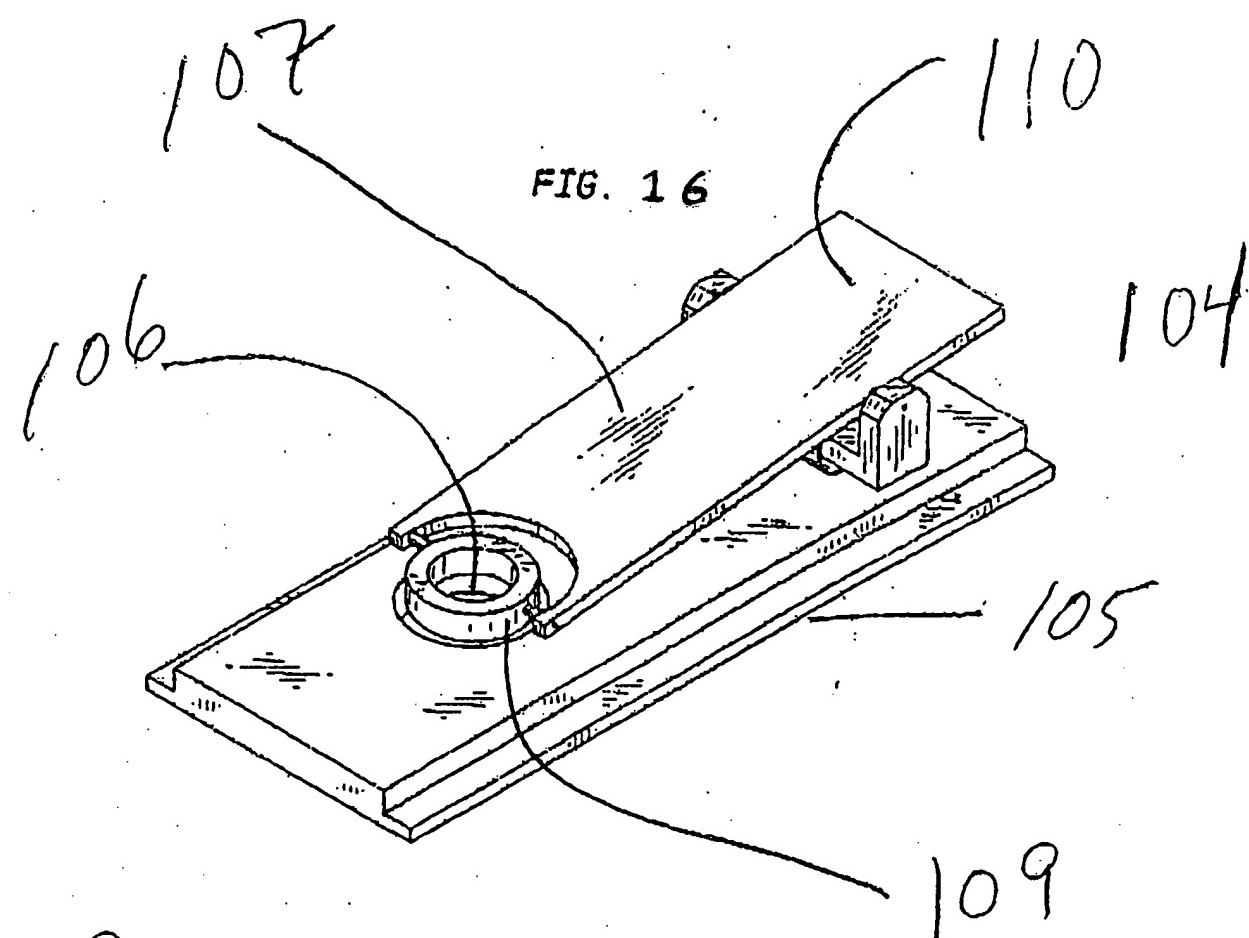


FIG. 17

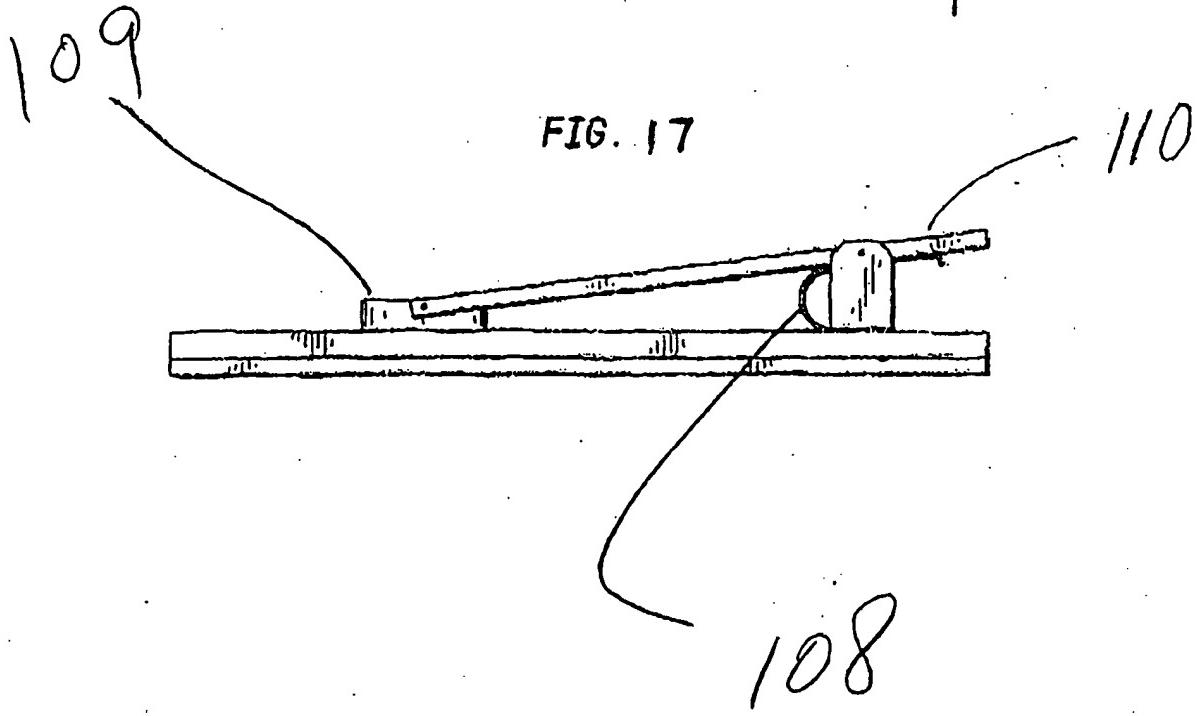


FIG. 18

